

# AC-DC Digital Radiation Monitor

Model # LAM-10D

## FEATURES:

- VERSATILE
- AC OR BATTERY - RECHARABLE
- 5 DECADES
- RECORDER OUTPUT
- SUPER LARGE, DISPLAY OPTIONAL
- SETTABLE ALARM - BEEPER FLASHER



**DESCRIPTION:** The LAM rate-meters are rugged and easy to use for laboratory or field application. Operated by AC mains or by rechargeable batteries. Batteries are automatically put in charge when LAM is plugged into the line. These instruments can be used with all the standard Technical Associates P and P-S series probes, Geiger and scintillation. They provide versatility and dependability at low cost. They find frequent use as lab monitors, exit monitors or as area monitors and are also suitable for survey or contamination work.

**TA TECHNICAL ASSOCIATES**

7051 ETON AVENUE, CANOGA PARK, CA 91303  
TELEPHONE: (818)-883-7043 FAX: (818) 883-6103  
e-mail: [tagold@nwc.net](mailto:tagold@nwc.net) www.tech-asociates.com

# AC-DC Digital Radiation Monitor

## Model # LAM-10D

**SPECIFICATIONS:**

**Ranges: Choose any probe below or any TA or compatible probe:**

PROBE	DESCRIPTION	RAN GE						UNITS
ALL PROBES	ALL PROBES	0.1	1	10	100	1,000	10,000	cps
GM	Thin window alpha-beta, gamma, x-ray, GM							
P-15	2" dia Pancake		.02	.2	2	20	200	mR/h
P-6LB	Low background		.1	1	10	100	1,000	mR/h
SCINTILLATION	SCINTILLATION							
PGS-3T	Low Energy Gamma			.01	.1	1	10	mR/h
PGS-3I	Low/mid Energy Gamma			.03	.3	3	30	mR/h
BGS-2505	Low Energy BGO probe			.01	.1	1	10	mR/h

**Available Options Include:**

Read-out units and range per customer requirements; mR/h, Sv/h, microCuries/ml, etc. Computer interface; RS-232, ethernet, etc. or complete data logging and acquisition systems.

**SPECIFICATIONS: (Continued)**

Digital Display: Length = 6 digit rate, 8 digit total dose/ Other meter scale markings are available.

Engineering Units: User can input correct conversion factor and change to any units.

Controls: Front Panel: On-Off, Alarm-mute, Rate, Integrate, Reset.

Recessed or Internal: Discriminator level, high voltage, alarm set. Other adjustable settings: See calibration.

Detectors: Any GM (such as P-13, P-15, P-6LB, etc.) or alpha, beta, gamma or neutron scintillator (as PAS-8, PAS-9, PGS-3, PNS-19, etc.).

Probe Holder: Probe Holder is provided for probe purchased.

Input Sensitivity: Adjustable from less than 1 millivolt to 100 millivolt

Anti-saturation and

Dead-time Corrections: Differentiation circuit provides highly effective compensation for coincidence loss. This also allows all five decades to read accurately with scintillation detectors.

Calibration: Digital input of calibration factor gives high precision adjustment.

Alarm: 2000 Hz audio tone with audio "mute" switch + RED LIGHT, high current relay. 0-100% of full scale.

Serial Output: Two way RS-232 standard, Ethernet optional.

Pulse Output: Internal 1 volt positive. Other outputs and interfaces are optional.

Batteries: 1800 amp. Hour batteries with built-in charger.

•Charger indicator: Green-charged. Red needs charge.

Power: 105-125 volts, 50-60 Hz (220 V optional)

•Construction: NEMA-4X gasket-ed polycarbonate case: rugged and splash-proof.

•Weight: 3 lbs. (1.4kg) including batteries and hardware, but excluding probe.

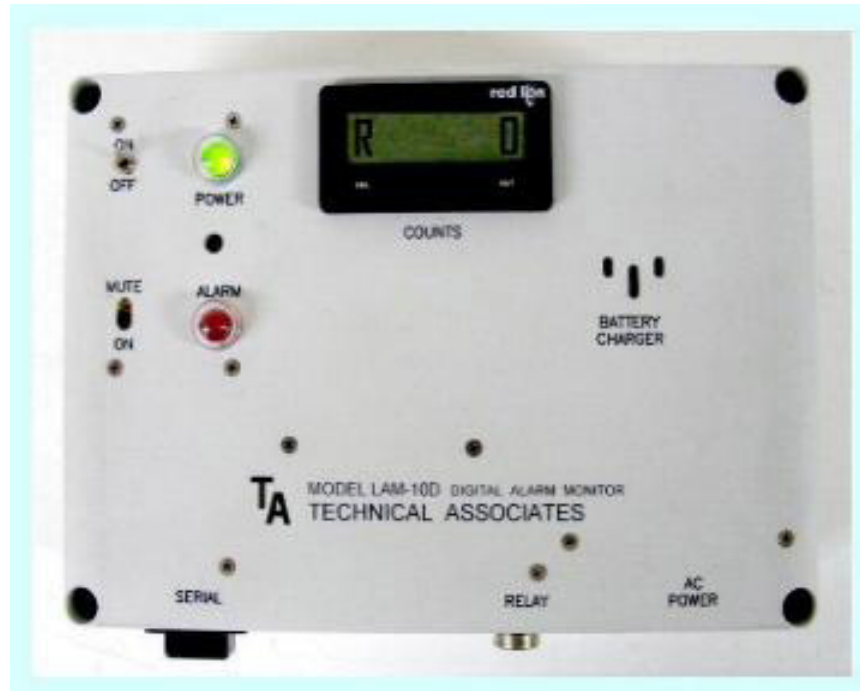
•Dimensions: 10" W x 7" H x 4" D (25cm x 18cm x 10cm) excluding handle, probe holder, feet, knobs.

**TA TECHNICAL ASSOCIATES**

7051 ETON AVENUE, CANOGA PARK, CA 91303  
 TELEPHONE: (818)-883-7043 \* FAX: (818) 883-6103  
 e-mail: [tagold@nwc.net](mailto:tagold@nwc.net) \* [www.tech-asociates.com](http://www.tech-asociates.com)

# AC-DC Digital Radiation Monitor

Model # LAM-10D



## OPTIONAL VERY LARGE LED DISPLAY

### MODELS:

**LDS-2** 16" LONG X 4" HIGH

**LDSS-4** 26" LONG X 8" HIGH

Connects directly to most TA products with Serial Output

- 2.25" or 4" High Red LED Digits
- Displays up to 6 Digits of Serial ASCII Data Alternating Displays
- Selectable RS232 or RS485 Serial Interface
- Dual Buffer allows alternating display message
- AC or DC Powered
- Aluminum NEMA 4X/IP65 Case Construction

**TA** TECHNICAL ASSOCIATES

7051 ETON AVENUE, CANOGA PARK, CA 91303  
TELEPHONE: (818)-883-7043 FAX: (818) 883-6103  
e-mail: [tagold@nwc.net](mailto:tagold@nwc.net) www.tech-associates.com